ProCurve
Networking by HP

# ProCurve Network Access Controller 800

The ProCurve Network Access Controller (NAC) 800 combines a RADIUS-based authentication server and the ability to validate the integrity of the systems connecting to the network, allowing network administrators to secure the network from unauthorized users and systems that pose a threat to the network resources.

ProCurve Network Access Controller 800 (J9065A)

hp invent

## Features and benefits

**Management**

- **Centralized endpoint policy management**: endpoint testing policies are centrally managed by a single management server and shared by up to ten enforcement servers
- **Administration console**: a Web-based console provides an easy-to-use interface for configuring endpoint policies and enforcement clusters as well as a dashboard-style interface for viewing the status of endpoint integrity testing
- **Default testing policies**: default testing policies provide a great starting point for endpoint testing and can be easily utilized as the basis for custom testing policies
- **Network management server integration**: the ProCurve Network Access Controller 800 management server is discovered and monitored by the ProCurve Manager (PCM) management platform to enable unified device and security management; the Web-based administration console of the ProCurve NAC 800 is integrated into the PCM management display for a cohesive management experience

**Performance**

- **Efficient endpoint testing**: typical endpoint testing can be completed in less than ten seconds, avoiding lengthy wait times as endpoints are connected to the network
- **Support for up to 30,000 concurrent endpoints in one management domain**: each enforcement server can support up to 3,000 endpoints, and one management server can control up to ten enforcement servers

**Resiliency and high availability**

- **Enforcement server resiliency and redundancy**: enable high network availability for mission-critical LAN deployments; enforcement servers continue to provide authentication and endpoint testing services in the absence of a management server and can be configured in clusters to provide redundancy and load-balancing for endpoint testing

**Security**

- **Built-in RADIUS server**: can perform authentication services or act as a proxy server for a remote RADIUS authentication service
- **Supports standard-based or a local authentication directory**: can integrate with existing Active Directory or standard LDAP directory services or can host a local authentication directory for smaller environments
- **Endpoint integrity assessment**: enables both pre-authentication and post-authentication testing of network-attached endpoints; includes an extensive set of built-in endpoint tests and is extensible to test for any prohibited or required software:
  - **Operating system**: versions, service pack levels, and hot fixes
  - **Security settings**: firewall, auto-update, and browser security settings
  - **Security software**: anti-virus, anti-spyware, and firewalls
  - **Malware**: spyware, worms, viruses, and trojans
  - **Applications**: peer-to-peer and instant messaging software

- **Flexible enforcement modes**: offer multiple enforcement modes that can be used together and centrally managed by a single management server to share endpoint policies and licenses:
  - **RADIUS**: integrates with RADIUS authentication to allow access only to authorized users and devices; uses RADIUS authorization capabilities to isolate endpoints for testing prior to providing complete network access and isolation of non-compliant endpoints
  - **DHCP**: integrates with DHCP servers to isolate and test endpoints before they are allowed to access production networks and interact with other network clients and resources
  - **Inline**: actively monitors a link for new endpoints and tests them before they are allowed to access the network; enables testing of remote endpoints connecting through a VPN concentrator
- **Flexible testing methods**: enables endpoint testing that meets the broad needs of most businesses, including solutions for both managed and unmanaged endpoints:
  - **Agent based**: a permanent agent can be installed on endpoints to evaluate endpoint integrity status; it is the most efficient mode for managed endpoints that will continually connect to the network
  - **Transient agent**: an agent is temporarily downloaded to the endpoint to evaluate endpoint integrity, and then it enables unmanaged endpoints to be tested without the need to have an agent preloaded and remain on the endpoint
  - **Agentless**: uses administrative credentials for an endpoint along with native communications protocols to evaluate the endpoint integrity status; enables endpoints that are part of a managed domain or have known administrative credentials to be tested without ever loading an agent
  - **Endpoint quarantine**: policy-based enforcement allows for isolation of non-compliant endpoints
  - **Configurable remediation feedback**: provides administrator-customized feedback to users on how they can remediate their systems and be allowed full network access
  - **Integration with Microsoft® SMS**: Endpoints that fail testing and are also managed by a Microsoft Systems Management Server (SMS) agent will be prompted to contact the SMS for updates and will be retested once updates have been applied

**Policy management**

- **Policy-based network access rights**: integrate with ProCurve Identity Driven Manager (IDM) and network devices to apply centrally managed network access policies to be enforced at the edge of the network, where users and devices attach; allow network administrators to easily create and maintain robust access policies, including secure guest access to appropriate network services, without risk to the network

## Features and benefits (continued)

**Product architecture**

- **The ProCurve Network Access Controller 800:** can be configured to take on different roles in a secure network access solution:
  - **Management server**: a centralized server that manages and monitors multiple enforcement servers, including the endpoint integrity policies and centralized logging of endpoint authentication and test results, availability, and status
  - **Enforcement server**: provides RADIUS-based authentication of endpoints, along with testing of endpoints to evaluate compliance with endpoint integrity policies, policy-based isolation of non-compliant endpoints, and customized user feedback on how to remediate issues
  - **Combination server**: a single-server solution that combines the management server and enforcement server roles into a single appliance solution. A combination server only manages the enforcement server that is running in the combination server. A combination server can also be used in conjunction with ProCurve Identity Driven Manager (IDM) to provide RADIUS-based authentication and the IDM adaptive networking capabilities without endpoint integrity testing
  - **Note**: endpoint integrity testing is a capability that requires the additional purchase of ProCurve NAC Endpoint Integrity Agent licenses (see Accessories) and an initial Implementation Startup Service provided by a ProCurve-certified service provider or purchased through ProCurve (see Services).

**Industry-leading warranty**

- **Warranty**: one year, with extensions available

## Services

- ProCurve NAC Endpoint Integrity Implementation Startup Service (Inline and DHCP) (J9063A)
- ProCurve NAC Endpoint Integrity Implementation Startup Service (IEEE 802.1x) (J9064A)

Check **www.hp.com/go/procurveservices** for part numbers and service-level descriptions. For details about services and response times in your area, please contact your local HP sales office.

# ProCurve Network Access Controller 800

## Specifications

**ProCurve Network Access Controller 800 (J9065A)**

| | |
|---|---|
| **Ports** | 2 RJ-45 auto-sensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T)<br>Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only<br>1 serial console port |
| **Physical characteristics** | |
| Dimensions (D x W x H) | 15.38 x 17.32 x 1.75 in. (39.07 x 43.99 x 4.45 cm) (1U height) |
| Weight | 13.45 lb. (6.1 kg) |
| **Memory and processor** | |
| Processor | Intel® Core™ 2 Duo @ 2130 MHz, 2 GB DDR2 SDRAM |
| **Mounting** | Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only. |
| **Environment** | |
| Operating temperature | 41°F to 104°F (5°C to 40°C) |
| Operating relative humidity | 15% to 80%, non-condensing |
| Non-operating/Storage temperature | –40°F to 149°F (–40°C to 65°C) |
| **Electrical characteristics** | |
| Maximum heat dissipation | 434 BTU/hr (457.87 kJ/hr) |
| Voltage | 100–127 VAC/200–240 VAC |
| Current | 2 A/1A |
| Power consumption | 127 W |
| Frequency | 50/60 Hz |
| **Safety** | CAN/CSA 22.2 No. 60950-1; IEC 60950-1; EN 60950-1 |
| **Emissions** | FCC part 15 Class A; EN 55022 Class A |
| **Immunity** | |
| EN | EN 55024, CISPR 24 |
| Harmonics | EN 61000-3-2, IEC 61000-3-2 |
| Flicker | EN 61000-3-3, IEC 61000-3-3 |
| **Management** | ProCurve Manager Plus; Web browser |
| **Endpoint Support for ProCurve NAC EI Agents** | Windows Vista® , Windows® XP, Windows Server 2003, Windows 2000, Windows NT® , and Mac OS X |
| **Related services** | ProCurve NAC Endpoint Integrity Implementation Startup Service (J9063A) (Inline and DHCP)<br>ProCurve NAC Endpoint Integrity Implementation Startup Service (J9064A) (IEEE 802.1x) |

# ProCurve Network Access Controller 800

## Specifications (continued)

**ProCurve Network Access Controller 800 (J9065A)**

**Endpoint tests performed by ProCurve NAC EI Agents**

**Operating systems**
Service Packs
Rogue WAP Connection
Windows 2000 hotfixes
Windows Server 2003 SP1 hotfixes
Windows Server 2003 hotfixes
Windows XP SP2 hotfixes
Windows XP hotfixes
Windows Vista hotfixes
Windows automatic updates

**Browser security policy**
IE Internet security zone
IE local intranet security zone
IE restricted site security zone
IE trusted site security zone
IE version

**Microsoft Office version check**
Microsoft Office XP
Microsoft Office 2003
Microsoft Office 2000

**Security settings**
Microsoft Excel macros
Microsoft Outlook macros
Microsoft Word macros
Services not allowed
Services required
Windows Bridge Network Connection
Windows security policy
Windows startup registry entries allowed

**Anti-spyware**
Ad-Aware SE Personal
Ad-Aware Plus
Ad-Aware Professional
CounterSpy
McAfee AntiSpyware
Pest Patrol
Spyware Eliminator
Webroot Spy Sweeper
Windows Defender

**Anti-virus**
NOD32 AntiVirus
AVG AntiVirus Free Ed
Computer Associates eTrust AntiVirus
Computer Associates eTrust EZ AntiVirus
F-Secure AntiVirus
Kaspersky AntiVirus for FileServers
Kaspersky AntiVirus for Workstations
McAfee VirusScan
McAfee Managed VirusScan
McAfee Enterprise VirusScan
McAfee Internet Security Suite 8.0
Norton Internet Security
Trend Micro AntiVirus
Trend Micro OfficeScan Corporate Edition
Sophos AntiVirus
Panda Internet Security
Symantec Corporate AntiVirus

**P2P and instant messaging**
Altnet
AOL Instant Messenger
BitTorrent
Chainsaw
Chatbot
DICE
dIRC
Gator
Hotline Connect Client
IceChat IRC client
ICQ Pro
IRCXpro
Kazaa
Kazaa Lite K++
leafChat
Metasquarer
mIRC
Morpheus
MyNapster
MyWay
NetIRC
NexIRC
Not Only Two
P2PNet.net
PerfectNav
savIRC
Trillian
Turbo IRC
Visual IRC
XFire
Yahoo! Messenger

**Personal firewalls**
AOL Security Edition
Black ICE Firewall
Computer Associates EZ Firewall
Internet Connection Firewall (Pre XP SP2)
McAfee Personal Firewall
Panda Internet Security
F-Secure Personal Firewall
Norton Personal Firewall/Internet Security
Sygate Personal Firewall
Symantec Client Firewall
Tiny Personal Firewall
Trend Micro Personal Firewall
ZoneAlarm Personal Firewall
Senforce Advanced Firewall
Windows Firewall

**Software not allowed**
Administrator defined

**Required software**
Administrator defined

**Spyware, worms, viruses, and trojans**
CME-24
Keylogger.Stawin
Trojan.Mitglieder.C
VBS.Shania
W32.Beagle.A
W32.Beagle.AB
W32.Beagle.AG
W32.Beagle.AO
W32.Beagle.AZ
W32.Beagle.B
W32.Beagle.E
W32.Beagle.J
W32.Beagle.K
W32.Beagle.M
W32.Beagle.U
W32.Blaster.K.Worm
W32.Blaster.Worm
W32.Doomhunter
W32.Dumaru.AD
W32.Dumaru.AH
W32.Esbot.A.1
W32.Esbot.A.2
W32.Esbot.A.3
W32.Galil.F
W32.HLLW.Anig
W32.HLLW.Cult.M
W32.HLLW.Deadhat
W32.HLLW.Deadhat.B
W32.HLLW.Doomjuice
W32.HLLW.Doomjuice.B
W32.HLLW.Lovgate
W32 Hiton
W32.IRCBot.C
W32.Kifer
W32.Klez.H
W32.Klez.gen
W32.Korgo.G
W32.Mimail.Q
W32.Mimail.S
W32.Mimail.T
W32.Mydoom.A
W32.Mydoom.AX-1
W32.Mydoom.AX
W32.Mydoom.B
W32.Mydoom.M
W32.Mydoom.Q
W32.Netsky.B
W32.Netsky.C
W32.Netsky.D
W32.Netsky.K
W32.Netsky.P
W32.Rusty@m
W32.Sasser.B
W32.Sasser.E
W32.Sasser.Worm
W32.Sircam.Worm
W32.Sober.O
W32.Sober.Z
W32.Welchia.Worm
W32.Zotob.E

**High-risk software**
Google Desktop

## Accessories

**ProCurve NAC Endpoint Integrity Agent License for 100 clients (J9066A)**

**ProCurve NAC Endpoint Integrity Agent License for 250 clients (J9067A)**

**ProCurve NAC Endpoint Integrity Agent License for 1,000 clients (J9068A)**

**ProCurve NAC Endpoint Integrity Agent License for 5,000 clients (J9069A)**

**ProCurve NAC Endpoint Integrity Agent 1-year Maintenance License for 100 clients (J9070A)**

**ProCurve NAC Endpoint Integrity Agent 1-year Maintenance License for 250 clients (J9071A)**

**ProCurve NAC Endpoint Integrity Agent 1-year Maintenance License for 1,000 clients (J9072A)**

**ProCurve NAC Endpoint Integrity Agent 1-year Maintenance License for 5,000 clients (J9073A)**

**Note:** Endpoint Integrity Agents require that an initial Implementation Service be provided by a ProCurve certified service provider or purchased through ProCurve (see Services).

## For more information

To learn more about ProCurve Networking, please visit
**www.procurve.com**

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